

Test Laboratory: KES Co., Ltd

## System Verification\_2450MHz\_MSL

**DUT: Dipole 2450 MHz D2450V2; Type: D2450V2; Serial: D2450V2 - SN:896**

Communication System: UID 0, System Validation (0); Frequency: 2450 MHz  
Medium parameters used:  $f = 2450$  MHz;  $\sigma = 1.958$  S/m;  $\epsilon_r = 53.056$ ;  $\rho = 1000$  kg/m<sup>3</sup>  
Phantom section: Flat Section  
Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2007)

DASY Configuration:

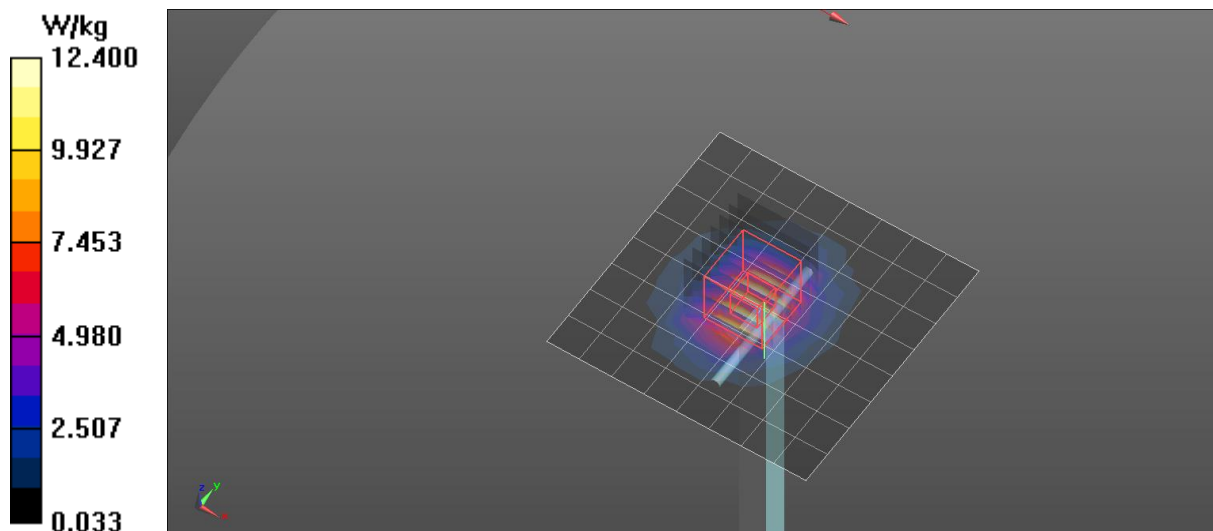
- Probe: EX3DV4 - SN3879; ConvF(7.02, 7.02, 7.02); Calibrated: 8/27/2015;
- Sensor-Surface: 4mm (Mechanical Surface Detection),  $z = -19.0, 31.0$
- Electronics: DAE4 Sn1344; Calibrated: 11/25/2015
- Phantom: ELI v6.0; Type: QDOVA003AA; Serial: TP: 2036
- DASY52 52.8.8(1222); SEMCAD X 14.6.10(7331)

### Configuration/System Verification\_2450MHz\_MSL/Area Scan (9x9x1):

Measurement grid:  $dx=12$ mm,  $dy=12$ mm  
Maximum value of SAR (measured) = 12.4 W/kg

### Configuration/System Verification\_2450MHz\_MSL/Zoom Scan (7x7x7)/Cube

**0:** Measurement grid:  $dx=5$ mm,  $dy=5$ mm,  $dz=5$ mm  
Reference Value = 80.38 V/m; Power Drift = 0.09 dB  
Peak SAR (extrapolated) = 23.6 W/kg  
**SAR(1 g) = 11.8 W/kg; SAR(10 g) = 5.72 W/kg**  
Maximum value of SAR (measured) = 13.4 W/kg



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## System Verification\_2450MHz\_MSL

**DUT: Dipole 2450 MHz D2450V2; Type: D2450V2; Serial: D2450V2 - SN:896**

Communication System: UID 0, System Validation (0); Frequency: 2450 MHz  
Medium parameters used:  $f = 2450$  MHz;  $\sigma = 1.944$  S/m;  $\epsilon_r = 52.756$ ;  $\rho = 1000$  kg/m<sup>3</sup>  
Phantom section: Flat Section  
Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2007)

DASY Configuration:

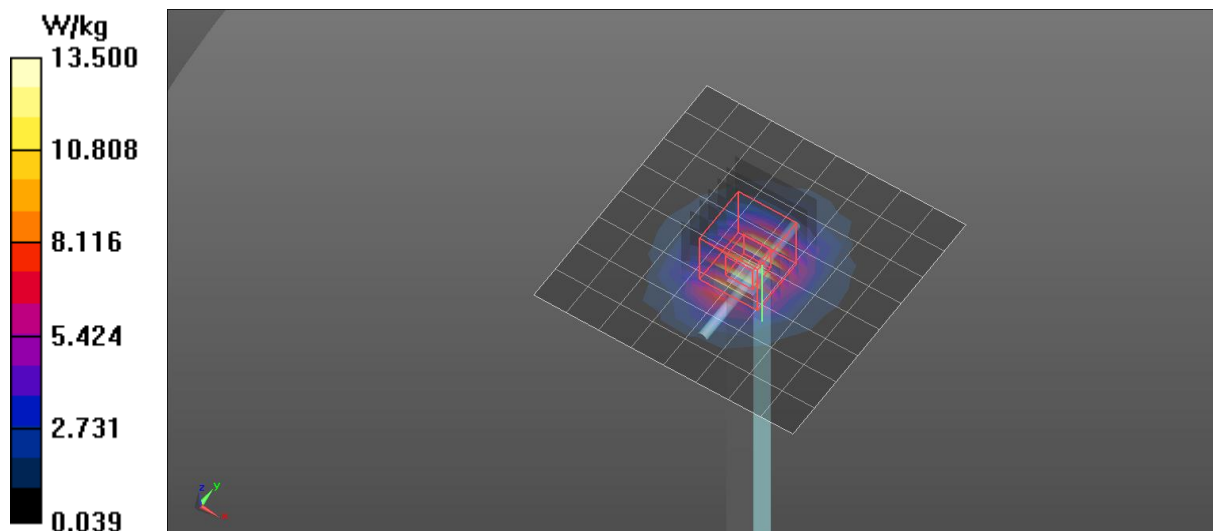
- Probe: EX3DV4 - SN3879; ConvF(7.02, 7.02, 7.02); Calibrated: 8/27/2015;
- Sensor-Surface: 4mm (Mechanical Surface Detection),  $z = -19.0, 31.0$
- Electronics: DAE4 Sn1344; Calibrated: 11/25/2015
- Phantom: ELI v6.0; Type: QDOVA003AA; Serial: TP: 2036
- DASY52 52.8.8(1222); SEMCAD X 14.6.10(7331)

### Configuration/System Verification\_2450MHz\_MSL/Area Scan (9x9x1):

Measurement grid:  $dx=12$ mm,  $dy=12$ mm  
Maximum value of SAR (measured) = 13.5 W/kg

### Configuration/System Verification\_2450MHz\_MSL/Zoom Scan (7x7x7)/Cube

**0:** Measurement grid:  $dx=5$ mm,  $dy=5$ mm,  $dz=5$ mm  
Reference Value = 83.15 V/m; Power Drift = 0.03 dB  
Peak SAR (extrapolated) = 25.6 W/kg  
**SAR(1 g) = 12.2 W/kg; SAR(10 g) = 5.79 W/kg**  
Maximum value of SAR (measured) = 13.7 W/kg



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### GFSK\_Top\_Body 5mm Gap\_High

**DUT: SEW-3042WN; Type: Tablet; Serial: N/A**

Communication System: UID 0, GFSK (0); Frequency: 2468 MHz

Medium parameters used:  $f = 2468$  MHz;  $\sigma = 1.981$  S/m;  $\epsilon_r = 52.991$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Flat Section

Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2007)

DASY Configuration:

- Probe: EX3DV4 - SN3879; ConvF(7.02, 7.02, 7.02); Calibrated: 8/27/2015;
- Sensor-Surface: 1.4mm (Mechanical Surface Detection),  $z = 1.0, 6.0$
- Electronics: DAE4 Sn1344; Calibrated: 11/25/2015
- Phantom: ELI v6.0; Type: QDOVA003AA; Serial: TP: 2036
- DASY52 52.8.8(1222); SEMCAD X 14.6.10(7331)

### Configuration/GFSK\_Top\_Body 5mm Gap\_High/Area Scan (14x7x1):

Measurement grid:  $dx=12$ mm,  $dy=12$ mm

Maximum value of SAR (measured) = 1.05 W/kg

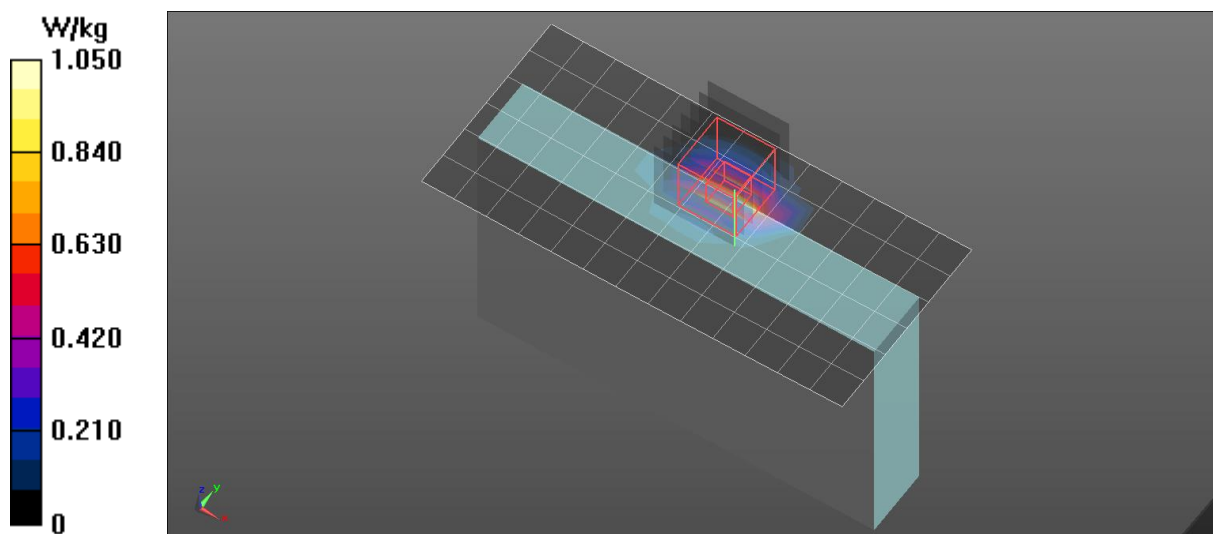
### Configuration/GFSK\_Top\_Body 5mm Gap\_High/Zoom Scan (7x7x7)/Cube 0:

Measurement grid:  $dx=5$ mm,  $dy=5$ mm,  $dz=5$ mm

Reference Value = 16.38 V/m; Power Drift = -0.19 dB

Peak SAR (extrapolated) = 1.35 W/kg

**SAR(1 g) = 0.602 W/kg; SAR(10 g) = 0.256 W/kg**



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### GFSK\_Top\_Body 5mm Gap\_High-repeated test

**DUT: SEW-3042WN; Type: Tablet; Serial: N/A**

Communication System: UID 0, GFSK (0); Frequency: 2468 MHz

Medium parameters used:  $f = 2468$  MHz;  $\sigma = 1.981$  S/m;  $\epsilon_r = 52.991$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Flat Section

Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2007)

DASY Configuration:

- Probe: EX3DV4 - SN3879; ConvF(7.02, 7.02, 7.02); Calibrated: 8/27/2015;
- Sensor-Surface: 1.4mm (Mechanical Surface Detection),  $z = 1.0, 6.0$
- Electronics: DAE4 Sn1344; Calibrated: 11/25/2015
- Phantom: ELI v6.0; Type: QDOVA003AA; Serial: TP: 2036
- DASY52 52.8.8(1222); SEMCAD X 14.6.10(7331)

### Configuration/GFSK\_Top\_Body 5mm Gap\_High-repeated test/Area Scan

**(14x7x1):** Measurement grid:  $dx=12$ mm,  $dy=12$ mm

Maximum value of SAR (measured) = 1.03 W/kg

### Configuration/GFSK\_Top\_Body 5mm Gap\_High-repeated test/Zoom Scan

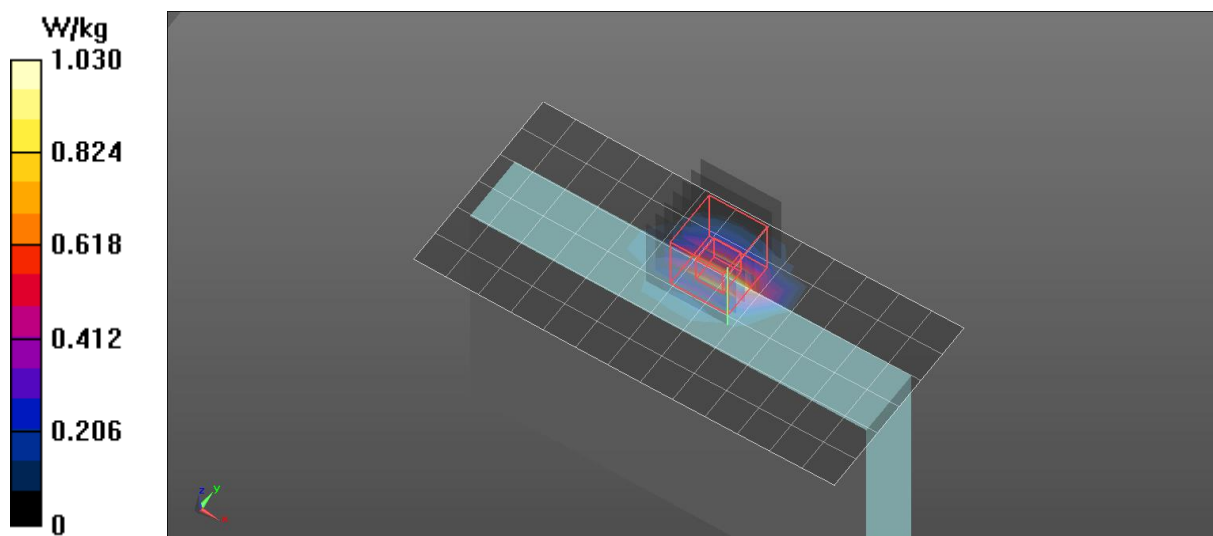
**(7x7x7)/Cube 0:** Measurement grid:  $dx=5$ mm,  $dy=5$ mm,  $dz=5$ mm

Reference Value = 16.00 V/m; Power Drift = -0.02 dB

Peak SAR (extrapolated) = 1.31 W/kg

**SAR(1 g) = 0.590 W/kg; SAR(10 g) = 0.251 W/kg**

Maximum value of SAR (measured) = 1.01 W/kg



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### GFSK\_Top\_Body 5mm Gap\_Low

**DUT: SEW-3042WN; Type: Tablet; Serial: N/A**

Communication System: UID 0, GFSK (0); Frequency: 2408 MHz

Medium parameters used:  $f = 2408$  MHz;  $\sigma = 1.9$  S/m;  $\epsilon_r = 52.824$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Flat Section

Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2007)

DASY Configuration:

- Probe: EX3DV4 - SN3879; ConvF(7.02, 7.02, 7.02); Calibrated: 8/27/2015;
- Sensor-Surface: 1.4mm (Mechanical Surface Detection),  $z = 1.0, 6.0$
- Electronics: DAE4 Sn1344; Calibrated: 11/25/2015
- Phantom: ELI v6.0; Type: QDOVA003AA; Serial: TP: 2036
- DASY52 52.8.8(1222); SEMCAD X 14.6.10(7331)

### Configuration/GFSK\_Top\_Body 5mm Gap\_Low/Area Scan (14x7x1):

Measurement grid:  $dx=12$ mm,  $dy=12$ mm

Maximum value of SAR (measured) = 1.13 W/kg

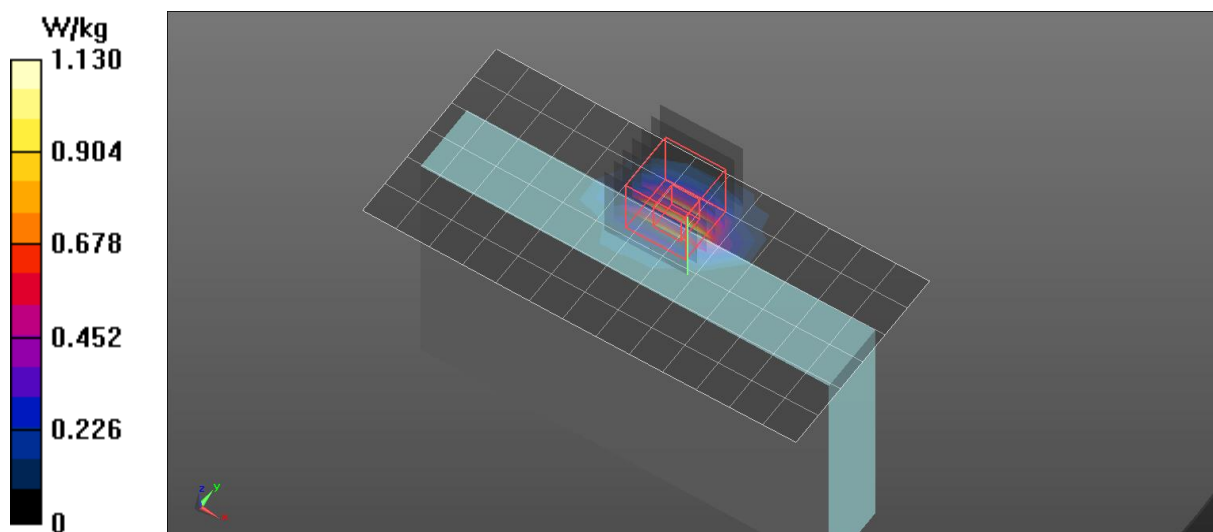
### Configuration/GFSK\_Top\_Body 5mm Gap\_Low/Zoom Scan (7x7x7)/Cube 0:

Measurement grid:  $dx=5$ mm,  $dy=5$ mm,  $dz=5$ mm

Reference Value = 16.27 V/m; Power Drift = -0.01 dB

Peak SAR (extrapolated) = 1.49 W/kg

**SAR(1 g) = 0.626 W/kg; SAR(10 g) = 0.266 W/kg**



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### GFSK\_Top\_Body 5mm Gap\_Low-repeated test

**DUT: SEW-3042WN; Type: Tablet; Serial: N/A**

Communication System: UID 0, GFSK (0); Frequency: 2408 MHz

Medium parameters used:  $f = 2408$  MHz;  $\sigma = 1.9$  S/m;  $\epsilon_r = 52.824$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Flat Section

Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2007)

DASY Configuration:

- Probe: EX3DV4 - SN3879; ConvF(7.02, 7.02, 7.02); Calibrated: 8/27/2015;
- Sensor-Surface: 1.4mm (Mechanical Surface Detection),  $z = 1.0, 6.0$
- Electronics: DAE4 Sn1344; Calibrated: 11/25/2015
- Phantom: ELI v6.0; Type: QDOVA003AA; Serial: TP: 2036
- DASY52 52.8.8(1222); SEMCAD X 14.6.10(7331)

### Configuration/GFSK\_Top\_Body 5mm Gap\_Low-repeated test/Area Scan

**(14x7x1):** Measurement grid:  $dx=12$ mm,  $dy=12$ mm

Maximum value of SAR (measured) = 0.685 W/kg

### Configuration/GFSK\_Top\_Body 5mm Gap\_Low-repeated test/Zoom Scan

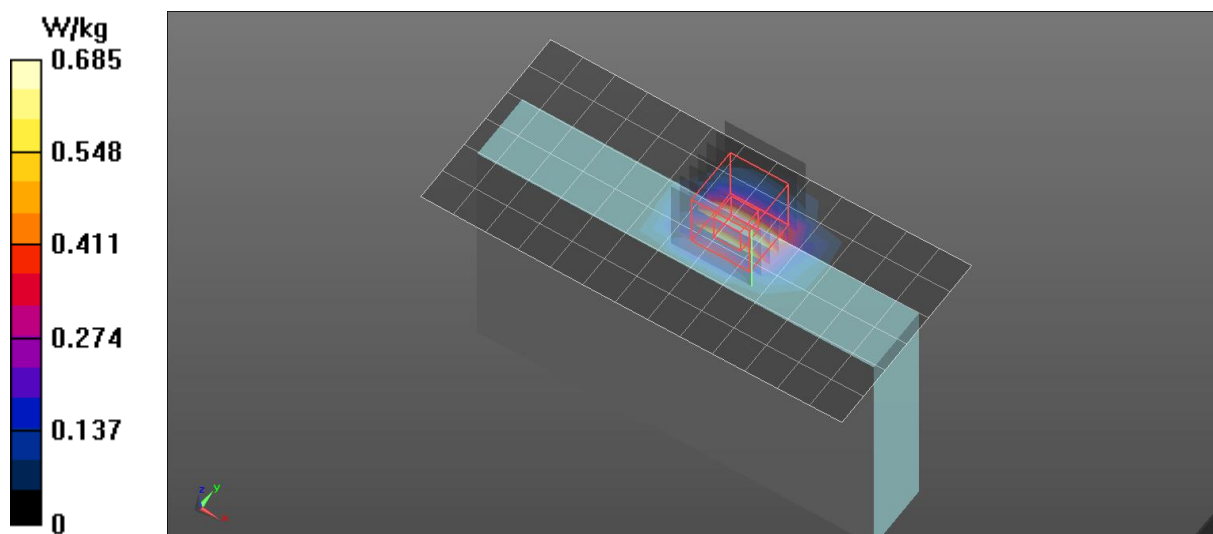
**(7x7x7)/Cube 0:** Measurement grid:  $dx=5$ mm,  $dy=5$ mm,  $dz=5$ mm

Reference Value = 16.82 V/m; Power Drift = -0.11 dB

Peak SAR (extrapolated) = 1.16 W/kg

**SAR(1 g) = 0.510 W/kg; SAR(10 g) = 0.221 W/kg**

Maximum value of SAR (measured) = 0.913 W/kg



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### **GFSK\_Top\_Body 5mm Gap\_Mid**

**DUT: SEW-3042WN; Type: Tablet; Serial: N/A**

Communication System: UID 0, GFSK (0); Frequency: 2440 MHz

Medium parameters used:  $f = 2440$  MHz;  $\sigma = 1.922$  S/m;  $\epsilon_r = 52.841$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Flat Section

Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2007)

DASY Configuration:

- Probe: EX3DV4 - SN3879; ConvF(7.02, 7.02, 7.02); Calibrated: 8/27/2015;
- Sensor-Surface: 1.4mm (Mechanical Surface Detection),  $z = 1.0, 6.0$
- Electronics: DAE4 Sn1344; Calibrated: 11/25/2015
- Phantom: ELI v6.0; Type: QDOVA003AA; Serial: TP: 2036
- DASY52 52.8.8(1222); SEMCAD X 14.6.10(7331)

### **Configuration/GFSK\_Top\_Body 5mm Gap\_Mid/Area Scan (14x7x1):**

Measurement grid:  $dx=12$ mm,  $dy=12$ mm

Maximum value of SAR (measured) = 0.413 W/kg

### **Configuration/GFSK\_Top\_Body 5mm Gap\_Mid/Zoom Scan (7x7x7)/Cube 0:**

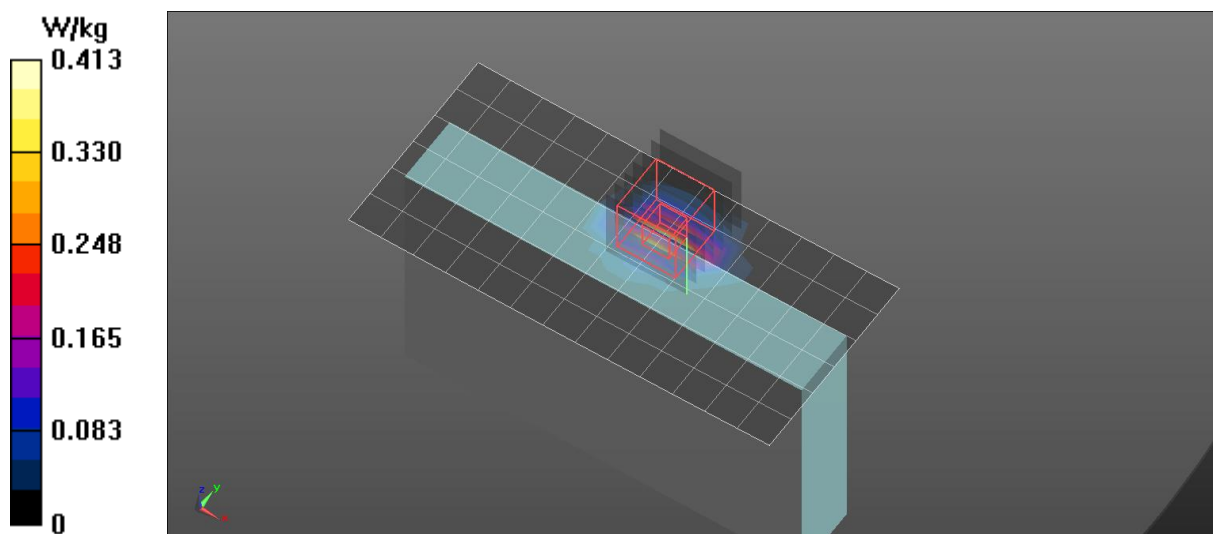
Measurement grid:  $dx=5$ mm,  $dy=5$ mm,  $dz=5$ mm

Reference Value = 8.672 V/m; Power Drift = -0.06 dB

Peak SAR (extrapolated) = 0.536 W/kg

**SAR(1 g) = 0.220 W/kg; SAR(10 g) = 0.089 W/kg**

Maximum value of SAR (measured) = 0.403 W/kg





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### GFSK\_Rear\_Body 5mm Gap\_High

**DUT: SEW-3042WN; Type: Tablet; Serial: N/A**

Communication System: UID 0, GFSK (0); Frequency: 2468 MHz

Medium parameters used:  $f = 2468$  MHz;  $\sigma = 1.981$  S/m;  $\epsilon_r = 52.991$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Flat Section

Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2007)

DASY Configuration:

- Probe: EX3DV4 - SN3879; ConvF(7.02, 7.02, 7.02); Calibrated: 8/27/2015;
- Sensor-Surface: 1.4mm (Mechanical Surface Detection),  $z = 1.0, 6.0$
- Electronics: DAE4 Sn1344; Calibrated: 11/25/2015
- Phantom: ELI v6.0; Type: QDOVA003AA; Serial: TP: 2036
- DASY52 52.8.8(1222); SEMCAD X 14.6.10(7331)

### Configuration/GFSK\_Rear\_Body 5mm Gap\_High/Area Scan (14x14x1):

Measurement grid:  $dx=12$ mm,  $dy=12$ mm

Maximum value of SAR (measured) = 0.146 W/kg

### Configuration/GFSK\_Rear\_Body 5mm Gap\_High/Zoom Scan (7x7x7)/Cube 0:

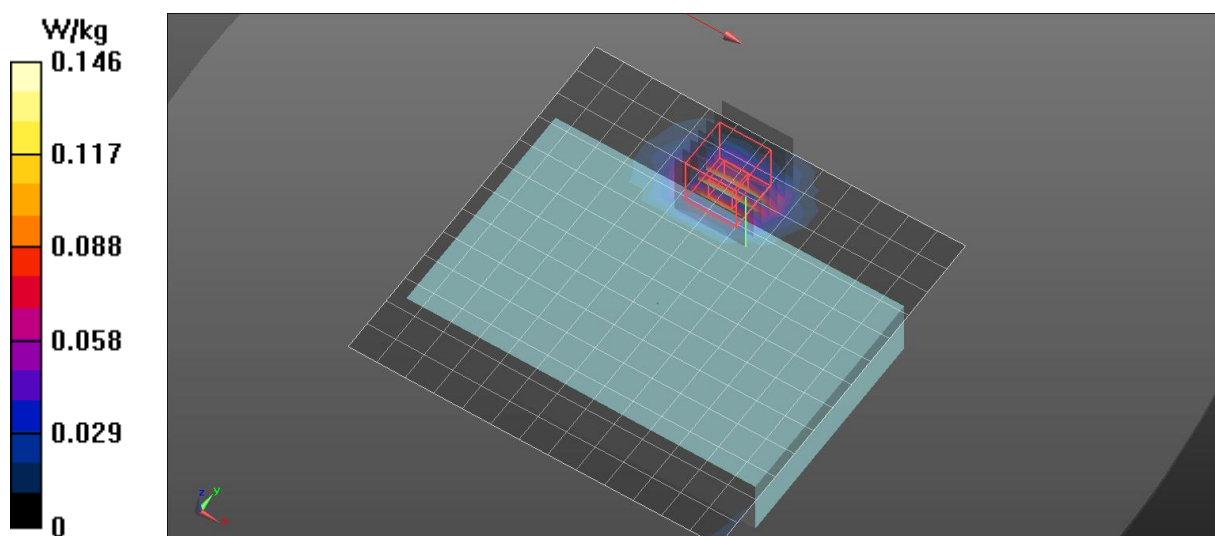
Measurement grid:  $dx=5$ mm,  $dy=5$ mm,  $dz=5$ mm

Reference Value = 3.377 V/m; Power Drift = -0.03 dB

Peak SAR (extrapolated) = 0.193 W/kg

**SAR(1 g) = 0.087 W/kg; SAR(10 g) = 0.039 W/kg**

Maximum value of SAR (measured) = 0.147 W/kg





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### GFSK\_Front\_Body 5mm Gap\_High

**DUT: SEW-3042WN; Type: Tablet; Serial: N/A**

Communication System: UID 0, GFSK (0); Frequency: 2468 MHz

Medium parameters used:  $f = 2468$  MHz;  $\sigma = 1.981$  S/m;  $\epsilon_r = 52.991$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Flat Section

Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2007)

DASY Configuration:

- Probe: EX3DV4 - SN3879; ConvF(7.02, 7.02, 7.02); Calibrated: 8/27/2015;
- Sensor-Surface: 1.4mm (Mechanical Surface Detection),  $z = 1.0, 6.0$
- Electronics: DAE4 Sn1344; Calibrated: 11/25/2015
- Phantom: ELI v6.0; Type: QDOVA003AA; Serial: TP: 2036
- DASY52 52.8.8(1222); SEMCAD X 14.6.10(7331)

### Configuration/GFSK\_Front\_Body 5mm Gap\_High/Area Scan (14x14x1):

Measurement grid:  $dx=12$ mm,  $dy=12$ mm

Maximum value of SAR (measured) = 0.117 W/kg

### Configuration/GFSK\_Front\_Body 5mm Gap\_High/Zoom Scan (7x7x7)/Cube

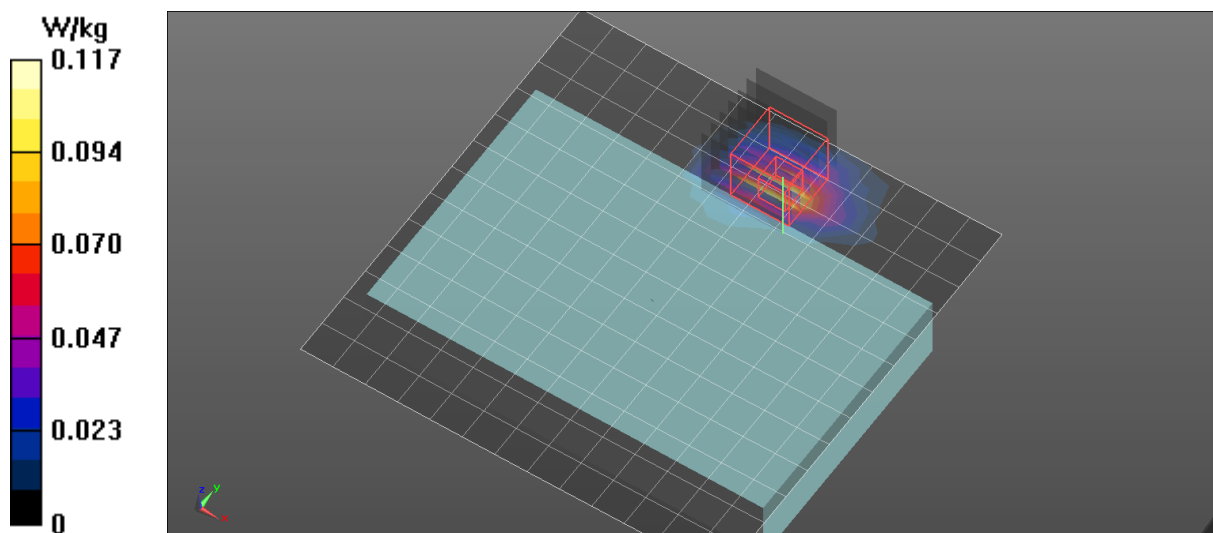
**0:** Measurement grid:  $dx=5$ mm,  $dy=5$ mm,  $dz=5$ mm

Reference Value = 0 V/m; Power Drift = 0.00 dB

Peak SAR (extrapolated) = 0.151 W/kg

**SAR(1 g) = 0.065 W/kg; SAR(10 g) = 0.028 W/kg**

Maximum value of SAR (measured) = 0.113 W/kg



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### GFSK\_Top\_Body 5mm Gap\_ANT unfold High

**DUT: SEW-3042WN; Type: Tablet; Serial: N/A**

Communication System: UID 0, GFSK (0); Frequency: 2468 MHz

Medium parameters used:  $f = 2468$  MHz;  $\sigma = 1.981$  S/m;  $\epsilon_r = 52.991$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Flat Section

Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2007)

DASY Configuration:

- Probe: EX3DV4 - SN3879; ConvF(7.02, 7.02, 7.02); Calibrated: 8/27/2015;
- Sensor-Surface: 1.4mm (Mechanical Surface Detection),  $z = 1.0, 6.0$
- Electronics: DAE4 Sn1344; Calibrated: 11/25/2015
- Phantom: ELI v6.0; Type: QDOVA003AA; Serial: TP: 2036
- DASY52 52.8.8(1222); SEMCAD X 14.6.10(7331)

### Configuration/GFSK\_Top\_Body 5mm Gap\_ANT unfold High/Area Scan

**(14x7x1):** Measurement grid:  $dx=12$ mm,  $dy=12$ mm

Maximum value of SAR (measured) = 0.0639 W/kg

### Configuration/GFSK\_Top\_Body 5mm Gap\_ANT unfold High/Zoom Scan

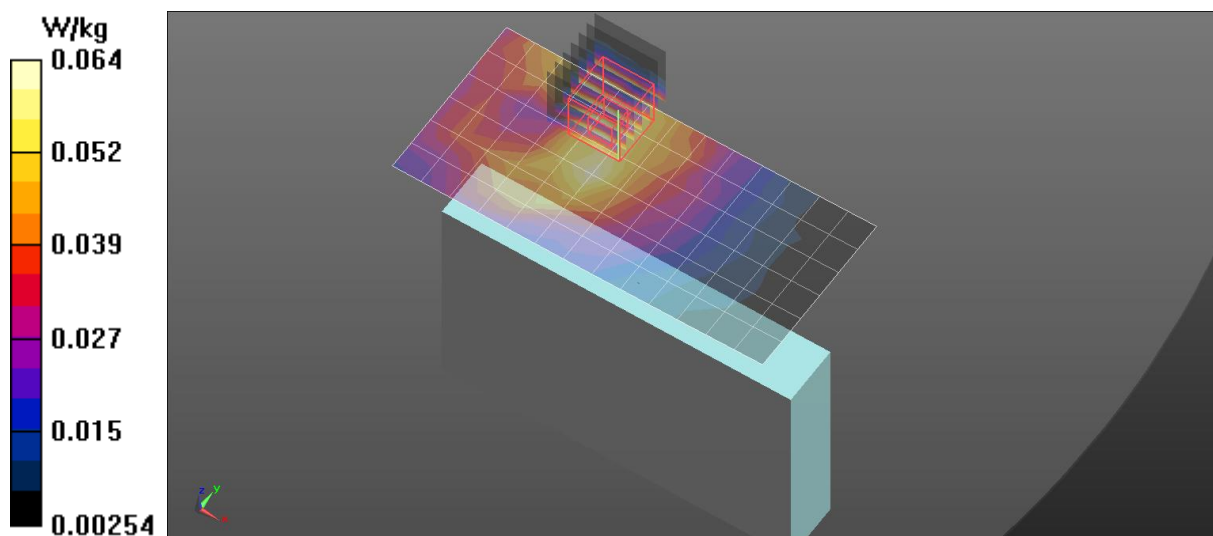
**(7x7x7)/Cube 0:** Measurement grid:  $dx=5$ mm,  $dy=5$ mm,  $dz=5$ mm

Reference Value = 4.788 V/m; Power Drift = -0.07 dB

Peak SAR (extrapolated) = 0.0870 W/kg

**SAR(1 g) = 0.041 W/kg; SAR(10 g) = 0.022 W/kg.**

Maximum value of SAR (measured) = 0.0690 W/kg



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### GFSK\_Rear\_Body 5mm Gap\_ANTunfold High

**DUT: SEW-3042WN; Type: Tablet; Serial: N/A**

Communication System: UID 0, GFSK (0); Frequency: 2468 MHz

Medium parameters used:  $f = 2468$  MHz;  $\sigma = 1.981$  S/m;  $\epsilon_r = 52.991$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Flat Section

Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2007)

DASY Configuration:

- Probe: EX3DV4 - SN3879; ConvF(7.02, 7.02, 7.02); Calibrated: 8/27/2015;
- Sensor-Surface: 1.4mm (Mechanical Surface Detection),  $z = 1.0, 6.0$
- Electronics: DAE4 Sn1344; Calibrated: 11/25/2015
- Phantom: ELI v6.0; Type: QDOVA003AA; Serial: TP: 2036
- DASY52 52.8.8(1222); SEMCAD X 14.6.10(7331)

### Configuration/GFSK\_Rear\_Body 5mm Gap\_ANT unfold High/Area Scan

**(13x16x1):** Measurement grid:  $dx=12$ mm,  $dy=12$ mm

Maximum value of SAR (measured) = 0.378 W/kg

### Configuration/GFSK\_Rear\_Body 5mm Gap\_ANT unfold High/Zoom Scan

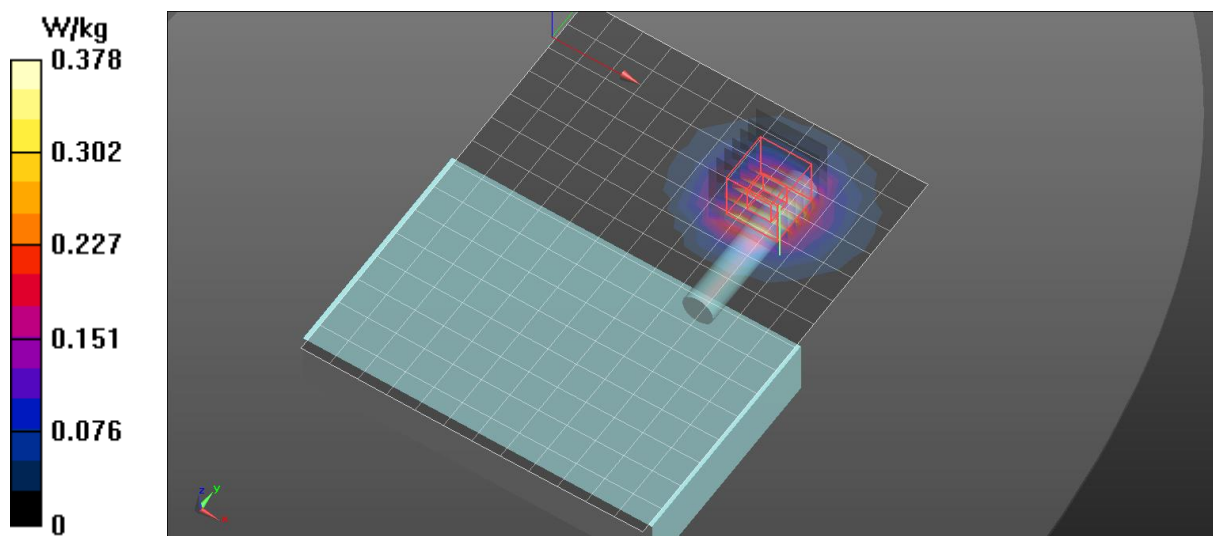
**(7x7x7)/Cube 0:** Measurement grid:  $dx=5$ mm,  $dy=5$ mm,  $dz=5$ mm

Reference Value = 1.413 V/m; Power Drift = -0.17 dB

Peak SAR (extrapolated) = 0.547 W/kg

**SAR(1 g) = 0.273 W/kg; SAR(10 g) = 0.138 W/kg**

Maximum value of SAR (measured) = 0.436 W/kg



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### GFSK\_Front\_Body 5mm Gap\_ANTunfold High

**DUT: SEW-3042WN; Type: Tablet; Serial: N/A**

Communication System: UID 0, GFSK (0); Frequency: 2468 MHz

Medium parameters used:  $f = 2468$  MHz;  $\sigma = 1.981$  S/m;  $\epsilon_r = 52.991$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Flat Section

Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2007)

DASY Configuration:

- Probe: EX3DV4 - SN3879; ConvF(7.02, 7.02, 7.02); Calibrated: 8/27/2015;
- Sensor-Surface: 1.4mm (Mechanical Surface Detection),  $z = 1.0, 6.0$
- Electronics: DAE4 Sn1344; Calibrated: 11/25/2015
- Phantom: ELI v6.0; Type: QDOVA003AA; Serial: TP: 2036
- DASY52 52.8.8(1222); SEMCAD X 14.6.10(7331)

### Configuration/GFSK\_Front\_Body 5mm Gap\_ANT unfold High/Area Scan

**(13x16x1):** Measurement grid:  $dx=12$ mm,  $dy=12$ mm

Maximum value of SAR (measured) = 0.389 W/kg

### Configuration/GFSK\_Front\_Body 5mm Gap\_ANT unfold High/Zoom Scan

**(7x7x7)/Cube 0:** Measurement grid:  $dx=5$ mm,  $dy=5$ mm,  $dz=5$ mm

Reference Value = 0 V/m; Power Drift = 0.00 dB

Peak SAR (extrapolated) = 0.563 W/kg

**SAR(1 g) = 0.272 W/kg; SAR(10 g) = 0.138 W/kg**

Maximum value of SAR (measured) = 0.431 W/kg

